

**REPEATED CHANNEL ADAPTIVE FREQUENCY HOPPING**Abstract

The invention provides systems, devices, and methods for frequency hopping.

5 In one method embodiment, the invention hops between frequencies by using the same channel to transmit data from a master to a slave, and from the slave to the master. One system embodiment provides an enhanced master coupled to an enhanced slave. In one device embodiment, the invention is a computer readable medium adapted to enable frequency hopping in a frequency band.